



wherein the screws are provided in a plurality of positions, at least some of the screws being disposed in the positions at which the screws pass through the inside of the cavity.

5. A dielectric resonant device according to Claim 3 or 4, wherein a film of silver is disposed on the surface of the screws

6. A dielectric resonant device according to one of Claims 3 and 4, wherein the dielectric core in the cavity is formed integrally therewith with two dielectric columns disposed perpendicular to each other so as to form a cross; the cross-section of sidewalls of the cavity, parallel to the open face of the cavity, is substantially uniform; the two dielectric columns are each provided with concavities formed in the sidewalls of the cavity and extending along the axis of the dielectric column; some of the screws are disposed inside the concavities and outside the cavity; and the other screws which are not inside the concavities are disposed inside the cavity.

7. A filter comprising:

a dielectric resonant device according to one of Claims 1 to 5,

wherein the conductive panel is provided with input-output loops.

